



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

May 3, 2012

Mr. Michael J. Pacilio
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO), Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

**SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 - NOTIFICATION OF
NRC INSPECTION AND REQUEST FOR INFORMATION**

Dear Mr. Pacilio:

On July 23, 2012, the U. S. Nuclear Regulatory Commission (NRC) will begin inspection of refueling and other outage activities (NRC Inspection Procedure 71111.20) prior to the next refueling outage scheduled for the Dresden Nuclear Power Station. This inspection will utilize NRC Operating Experience Smart Sample: (OpESS) FY 2007-03, Revision 2, "Crane and Heavy Lift Inspection, Supplemental Guidance for IP-71111.20," issued September 12, 2008. This inspection will focus on the impact of load handling activities on the reactor core and its cooling and plant support systems. Specifically, this inspection will review applicable design and licensing bases, engineering design and analysis, procedures, and surveillances associated with the reactor vessel head removal and installation during refueling outages including: (1) reactor shield plugs, drywell head, reactor pressure vessel head, steam separator, steam dryer lifting devices; (2) reactor vessel head safe load paths; and (3) reactor building crane preventative maintenance, inspections and testing. The on-site portion of the inspection will take place during July 23–27, 2012, and August 13–17, 2012.

Experience has shown that inspection of these activities is resource intensive both for the NRC inspector and the licensee staff. In order to minimize the inspection impact on the site and to ensure a productive inspection for both parties, we have enclosed a request for documents needed for the inspection. This information should be available in Region III by July 16, 2012, (preparation week). It is important that all of these documents are up to date and complete in order to minimize the number of additional documents requested during the preparation and/or the on-site portions of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Ms. Paula O'Brien, of your organization. If there are any questions about this inspection or the material requested, please contact the inspector, Mr. V. Meghani at (630) 829-9751 or via email at Vijay.meghani@nrc.gov.

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, control number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

David E. Hills, Chief
Engineering Branch 1
Division of Reactor Safety

Docket Nos. 50-237, 50-249
License Nos. DPR-19 and DPR-25

Enclosure: Crane and Heavy Lift Inspection Document Request
(Information for Preparation Week and Information
Available On-site During Inspection)

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CRANE AND HEAVY LIFT INSPECTION DOCUMENT REQUEST

Inspection Dates: July 23–27, 2012 and August 13–17, 2012

Inspection Procedures: Inspection Procedure (IP) 71111.20, “Refueling and Other Outage Activities”

Lead Inspector: Vijay Meghani
(630) 829-9751
vijay.meghani@nrc.gov

I. Information Requested for In-Office Preparation Week

The following information (paper or electronic copy, unless otherwise indicated) is requested to be available in Region III on July 16, 2012. If you have any questions regarding this information, please call the lead inspector as soon as possible.

A copy of the following documents related to control of heavy loads:

- (1) Submittals as a result of NRC December 22, 1980, unnumbered Generic Letter (GL) (now NRC numbered as GL 80-113) and GL 81-07, “Control of Heavy Loads” regarding NUREG 0612, “Control of Heavy Loads at Nuclear Power Plants,” six-month response (Phase I) and nine-month response (Phase II). Supplement to Safety Evaluation Report (SER) related to NUREG 0612, Phase I and Phase II, if applicable.
- (2) Other submittals/SERs related to crane upgrade or control of heavy loads program.
- (3) Corrective Action Program Reports related to NRC Regulatory Issue Summary 2005-25, “Clarification of NRC Guidelines for Control of Heavy Loads,” NRC Regulatory Issue Summary 2005-25, “Supplement 1 Clarification of NRC Guidelines for Control of Heavy Loads,” Enforcement Guidance Memorandum 2007-006, “Enforcement Discretion for Heavy Load Handling Activities,” and Nuclear Energy Institute 08-05, “Industry Initiative on Control of Heavy Loads.”
- (4) Design calculations for lifting devices for the reactor shield plugs, drywell head, reactor pressure vessel head, steam dryer, and steam separator, including calculations for interfacing lift points (lifting lugs).
- (5) Documents that establish the total lift weight for the existing reactor pressure vessel head, reactor shield plugs, drywell head, steam dryer and steam separator.
- (6) Site procedures associated with control of heavy loads-“safe load paths”, which include removal of the reactor vessel head during refueling operations, installation of the reactor vessel head during refueling operations, and any contingency actions taken to mitigate the consequences of a postulated reactor pressure vessel head drop.

CRANE AND HEAVY LIFT INSPECTION DOCUMENT REQUEST

- (7) Site procedures for visual inspections and non-destructive examination (NDE) of the lifting devices.
- (8) Documentation for the last visual inspection and NDE performed for the reactor pressure vessel head lifting device.
- (9) Reactor building crane vendor recommendations regarding preventative maintenance, and inspection, and testing prior to use.
- (10) Site procedures associated with reactor building crane preventative maintenance, inspection, and testing prior to lifting the reactor vessel head.
- (11) Documentation for reactor building crane preventative maintenance, inspection, and testing performed during last refueling outage prior to lifting the reactor vessel head.
- (12) Site procedures used for implementation of industry standards related to training and qualification of reactor building crane operators
- (13) The most recent site control of heavy loads program audit and/or self-assessment and the resulting corrective action documents.
- (14) A listing of corrective action within last two years related to heavy lifts/control of heavy loads program.
- (15) A copy of the Dresden Updated Final Safety Analysis Report.

If you have questions regarding the information requested, please contact the lead inspector Mr. V. Meghani at (630) 829-9751.

M. Pacilio

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David E. Hills, Chief
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(Information for Preparation Week and Information Available On-Site During Inspection)

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